

Released: August 2021

Next MECS will be fielded in 2023.

Table 8.9 Number of Establishments by Designation of Representative(s) Responsible for Energy Management, 2018;

Level: National Data;

Row: NAICS Codes;

Column: Participation and Percentage of Job Responsibilities Dedicated to Energy Management;

Unit: Establishment Counts.

NAICS Code(a)	Subsector and Industry	Percentage of Job Responsibilities Dedicated to Energy Management							
		No Participation	Participation(b)	Don't Know	Less than 25	25 to 49	50 to 74	75 or Greater	Don't Know
Total United States									
311	Food	8,948	3,336	3,558	2,644	346	186	126	Q
3112	Grain and Oilseed Milling	213	243	155	206	14	10	D	D
311221	Wet Corn Milling	D	27	D	13	4	D	D	0
31131	Sugar Manufacturing	24	25	21	19	D	D	D	0
3114	Fruit and Vegetable Preserving and Specialty Food	425	395	228	281	29	Q	Q	0
3115	Dairy Product	373	502	162	328	58	93	16	Q
3116	Animal Slaughtering and Processing	856	489	497	390	59	D	10	D
312	Beverage and Tobacco Products	2,298	1,024	616	926	51	17	17	Q
3121	Beverages	2,253	991	608	903	45	Q	17	Q
3122	Tobacco	45	32	8	23	7	3	0	0
313	Textile Mills	904	324	132	255	30	8	Q	Q
314	Textile Product Mills	2,093	457	1,566	443	5	0	10	0
315	Apparel	2,957	Q	791	Q	11	0	Q	0
316	Leather and Allied Products	340	120	196	105	11	0	0	Q
321	Wood Products	6,520	798	2,117	638	57	14	88	0
32113	Sawmills	1,221	195	370	157	D	D	9	0
3212	Veneer, Plywood, and Engineered Woods	778	129	176	125	0	0	4	0
321219	Reconstituted Wood Products	117	29	13	D	0	0	D	0
3219	Other Wood Products	4,384	456	1,446	343	Q	0	Q	0
322	Paper	1,577	868	565	741	42	D	52	D
322110	Pulp Mills	D	23	D	14	D	3	D	0
322121	Paper Mills, except Newsprint	33	116	7	66	19	D	10	D
322122	Newsprint Mills	D	4	D	D	D	D	0	0
322130	Paperboard Mills	38	81	24	44	16	5	15	0
323	Printing and Related Support	9,339	1,361	1,914	1,272	7	0	Q	0
324	Petroleum and Coal Products	678	633	572	383	59	72	119	0
324110	Petroleum Refineries	25	102	9	43	18	14	27	0
324121	Asphalt Paving Mixture and Block	426	442	421	266	38	53	86	0
324122	Asphalt Shingle and Coating Materials	66	40	63	D	D	0	0	0
324191	Petroleum Lubricating Oil and Grease Products	124	28	59	D	D	5	0	0
324199	Other Petroleum and Coal Products	38	22	19	17	0	0	6	0
325	Chemicals	4,436	2,585	1,881	2,121	152	80	223	9
325110	Petrochemicals	19	29	18	16	8	D	D	0
325120	Industrial Gases	143	187	195	D	D	D	171	0
325180	Other Basic Inorganic Chemicals	253	160	88	138	D	D	11	0
325193	Ethyl Alcohol	74	91	42	72	Q	D	D	0
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	35	23	3	20	D	0	0	D
325199	Other Basic Organic Chemicals	159	181	184	136	21	10	14	0
325211	Plastics Materials and Resins	339	309	165	280	20	D	D	D
325212	Synthetic Rubber	42	28	17	D	0	D	D	0

325220	Artificial and Synthetic Fibers and Filaments	39	41	19	33	D	D	4	0
325311	Nitrogenous Fertilizers	50	89	9	D	D	D	0	0
325312	Phosphatic Fertilizers	22	5	27	D	D	0	D	0
3254	Pharmaceuticals and Medicines	483	429	415	353	41	18	D	D
325412	Pharmaceutical Preparation	254	234	229	191	15	15	D	D
325992	Photographic Film, Paper, Plate, and Chemicals	65	38	5	21	D	0	D	0
326	Plastics and Rubber Products	4,966	2,017	1,334	1,888	Q	0	Q	0
327	Nonmetallic Mineral Products	7,039	1,703	3,293	1,264	159	D	D	D
327120	Clay Building Material and Refractories	201	137	77	123	4	0	10	0
327211	Flat Glass	25	15	20	D	D	D	0	0
327212	Other Pressed and Blown Glass and Glassware	101	25	38	14	D	D	D	0
327213	Glass Containers	7	35	15	11	7	0	16	0
327215	Glass Products from Purchased Glass	444	129	112	109	10	3	7	0
327310	Cements	102	55	29	26	21	4	4	0
327410	Lime	21	29	36	11	D	D	0	0
327420	Gypsum	54	83	11	27	D	Q	37	D
327993	Mineral Wool	94	46	51	41	D	0	D	D
331	Primary Metals	1,733	920	573	767	77	20	47	9
331110	Iron and Steel Mills and Ferroalloys	170	155	65	107	19	D	22	D
3312	Steel Products from Purchased Steel	294	89	114	76	D	D	D	0
3313	Alumina and Aluminum	186	152	61	140	D	D	0	0
331314	Secondary Smelting and Alloying of Aluminum	43	42	24	D	D	D	0	0
331315	Aluminum Sheet, Plate and Foils	20	37	8	32	5	0	0	0
331318	Other Aluminum Rolling, Drawing and Extruding	102	64	25	64	0	0	0	0
3314	Nonferrous Metals, except Aluminum	370	165	117	133	D	0	3	D
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	66	20	20	14	3	0	3	0
3315	Foundries	713	359	216	311	15	D	D	D
331511	Iron Foundries	221	99	53	74	6	D	13	D
331523	Nonferrous Metal Die-Casting Foundries	104	102	51	93	D	D	4	0
331524	Aluminum Foundries, except Die-Casting	156	55	67	45	5	D	D	D
332	Fabricated Metal Products	27,763	4,162	6,024	3,852	10	Q	4	0
333	Machinery	9,932	2,253	2,734	2,214	10	0	5	Q
334	Computer and Electronic Products	4,051	1,793	802	1,496	Q	22	Q	0
334413	Semiconductors and Related Devices	171	107	66	84	D	3	D	0
335	Electrical Equip., Appliances, and Components	2,322	610	363	549	54	D	D	0
336	Transportation Equipment	3,695	1,454	1,953	1,127	187	21	115	Q
336111	Automobiles	12	44	15	24	D	D	10	0
336112	Light Trucks and Utility Vehicles	25	34	10	10	9	5	9	0
3364	Aerospace Product and Parts	683	310	206	279	11	6	10	Q
336411	Aircraft	201	50	96	45	D	D	D	0
337	Furniture and Related Products	6,212	675	1,460	549	51	Q	0	0
339	Miscellaneous	9,431	2,130	2,118	1,907	Q	Q	Q	0
	Total	117,234	29,330	34,562	25,218	1,569	900	1,535	108

(a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).

(b) The *Participation* column includes those units which reported any of the four listed percentages of job responsibilities dedicated to energy management at any time in 2018, plus those units where the percentage of job responsibilities dedicated to energy management was not ascertained.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

NA=Not available.

-- Estimation is not applicable.

Notes: Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).

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RSE Table 8.9 Relative Standard Errors for Table 8.9;

Unit: Percents.

NAICS Code(a)	Subsector and Industry	Percentage of Job Responsibilities Dedicated to Energy Management								
		No Participation	Participation(b)	Don't Know	Less than 25	25 to 49	50 to 74	75 or Greater	Don't Know	
Total United States										
311	Food	3.4	3.7	6.8	4.7	6.2	18.4	4.2	64.5	
3112	Grain and Oilseed Milling	5.5	5.1	22.2	7.3	5.6	14.1	D	D	
311221	Wet Corn Milling	D	0.0	D	0.0	0.0	D	D	X	
31131	Sugar Manufacturing	0.0	0.0	0.0	0.0	D	D	D	X	
3114	Fruit and Vegetable Preserving and Specialty Food	13.9	13.7	21.5	15.1	17.0	58.9	53.4	X	
3115	Dairy Product	13.2	9.4	17.8	13.9	15.4	16.5	17.9	87.5	
3116	Animal Slaughtering and Processing	9.2	12.2	14.2	13.7	19.8	D	45.9	D	
312	Beverage and Tobacco Products	3.4	4.9	10.8	6.2	2.6	5.6	26.9	93.5	
3121	Beverages	6.4	12.2	17.5	13.3	19.8	54.3	26.9	93.5	
3122	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	X	X	
313	Textile Mills	6.9	15.7	24.7	17.7	46.4	37.9	65.3	62.2	
314	Textile Product Mills	19.2	45.8	25.4	47.2	34.6	X	39.4	X	
315	Apparel	11.3	54.8	41.9	69.2	45.4	X	96.3	X	
316	Leather and Allied Products	17.5	39.6	28.0	45.3	23.4	X	X	78.0	
321	Wood Products	3.7	10.4	9.7	11.2	28.8	25.2	34.3	X	
321113	Sawmills	4.9	10.7	16.1	11.9	D	D	45.4	X	
3212	Veneer, Plywood, and Engineered Woods	5.1	16.4	20.4	16.7	X	X	17.0	X	
321219	Reconstituted Wood Products	6.7	19.6	20.5	D	X	X	D	X	
3219	Other Wood Products	5.9	30.6	16.5	34.3	68.9	X	98.4	X	
322	Paper	3.8	1.8	7.2	2.9	0.0	D	2.4	D	
322110	Pulp Mills	D	0.0	D	0.0	D	0.0	D	X	
322121	Paper Mills, except Newsprint	0.0	0.0	0.0	0.0	0.0	D	0.0	D	
322122	Newsprint Mills	D	0.0	D	D	D	D	X	X	
322130	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	
323	Printing and Related Support	4.5	21.3	17.9	22.0	0.0	X	97.5	X	
324	Petroleum and Coal Products	5.1	2.5	9.3	3.8	1.8	4.8	3.3	X	
324110	Petroleum Refineries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X	
324121	Asphalt Paving Mixture and Block	7.9	7.6	9.3	11.4	9.7	18.0	16.7	X	
324122	Asphalt Shingle and Coating Materials	13.3	12.7	21.4	D	D	X	X	X	
324191	Petroleum Lubricating Oil and Grease Products	13.8	14.9	29.8	D	D	12.7	X	X	
324199	Other Petroleum and Coal Products	0.0	0.0	0.0	0.0	X	X	0.0	X	
325	Chemicals	4.0	4.7	4.6	5.7	17.0	8.6	11.4	15.8	
325110	Petrochemicals	0.0	0.0	0.0	0.0	0.0	D	D	X	
325120	Industrial Gases	30.7	16.5	17.5	D	D	D	17.8	X	
325180	Other Basic Inorganic Chemicals	13.3	18.2	25.5	20.7	D	D	42.5	X	
325193	Ethyl Alcohol	7.3	7.3	7.7	7.1	55.2	D	D	X	
325194	Cyclic Crudes, Intermediate and Gum and Wood Chemicals	0.0	0.0	0.0	0.0	D	X	X	D	
325199	Other Basic Organic Chemicals	14.9	12.6	18.4	13.8	35.8	15.1	42.2	X	
325211	Plastics Materials and Resins	13.4	13.1	20.7	14.2	30.0	D	D	D	
325212	Synthetic Rubber	0.0	0.0	0.0	D	X	D	D	X	
325220	Artificial and Synthetic Fibers and Filaments	0.0	0.0	0.0	0.0	D	D	0.0	X	
325311	Nitrogenous Fertilizers	46.1	29.9	43.3	D	D	D	X	X	
325312	Phosphatic Fertilizers	0.0	0.0	0.0	D	D	X	D	X	

3254	Pharmaceuticals and Medicines	13.9	13.5	15.6	15.7	28.2	33.6	D	D
325412	Pharmaceutical Preparation	18.8	18.6	20.3	22.4	18.6	41.4	D	D
325992	Photographic Film, Paper, Plate, and Chemicals	15.3	25.5	18.8	18.8	D	X	D	X
326	Plastics and Rubber Products	6.9	14.4	19.3	15.1	56.4	X	98.7	X
327	Nonmetallic Mineral Products	4.7	4.6	6.8	6.0	3.6	D	D	D
327120	Clay Building Material and Refractories	11.1	14.4	20.1	15.9	8.6	X	8.6	X
327211	Flat Glass	0.0	0.0	0.0	D	D	D	X	X
327212	Other Pressed and Blown Glass and Glassware	17.0	18.8	46.6	18.8	D	D	D	X
327213	Glass Containers	0.0	0.0	0.0	0.0	0.0	X	0.0	X
327215	Glass Products from Purchased Glass	7.8	18.3	21.0	21.1	11.9	25.9	16.5	X
327310	Cements	16.0	20.6	27.2	27.8	15.1	15.1	15.1	X
327410	Lime	0.0	0.0	0.0	0.0	D	D	X	X
327420	Gypsum	25.7	16.2	20.4	22.1	D	85.1	26.1	D
327993	Mineral Wool	20.1	24.9	35.2	26.4	D	X	D	D
331	Primary Metals	3.1	3.9	7.8	4.4	3.6	7.6	7.6	45.8
331110	Iron and Steel Mills and Ferroalloys	0.0	0.0	0.0	0.0	0.0	D	0.0	D
3312	Steel Products from Purchased Steel	10.0	16.4	24.4	17.7	D	D	D	X
3313	Alumina and Aluminum	4.0	5.6	7.1	6.7	D	D	X	X
331314	Secondary Smelting and Alloying of Aluminum	14.9	21.4	16.1	D	D	D	X	X
331315	Aluminum Sheet, Plate and Foils	0.0	0.0	0.0	0.0	0.0	X	X	X
331318	Other Aluminum Rolling, Drawing and Extruding	8.5	9.6	13.4	9.6	X	X	X	X
3314	Nonferrous Metals, except Aluminum	8.8	14.6	19.1	16.8	D	X	18.0	D
331410	Nonferrous Metal (except Aluminum) Smelting and Refining	12.6	24.3	18.0	28.0	18.0	X	18.0	X
3315	Foundries	6.2	7.9	17.9	8.3	9.4	D	D	D
331511	Iron Foundries	14.4	22.0	39.7	24.4	23.3	D	28.0	D
331523	Nonferrous Metal Die-Casting Foundries	12.1	11.4	22.8	12.4	D	D	16.7	X
331524	Aluminum Foundries, except Die-Casting	14.6	17.3	40.6	19.4	12.2	D	D	D
332	Fabricated Metal Products	3.7	16.9	14.0	17.7	0.0	70.2	0.0	X
333	Machinery	4.6	14.9	13.9	15.1	0.0	X	0.0	97.3
334	Computer and Electronic Products	9.4	14.5	29.1	16.0	50.1	19.2	52.8	X
334413	Semiconductors and Related Devices	18.6	23.2	43.5	25.9	D	12.9	D	X
335	Electrical Equip., Appliances, and Components	8.6	25.3	39.5	27.5	49.3	D	D	X
336	Transportation Equipment	5.9	3.8	13.3	6.0	4.0	1.7	4.1	82.4
336111	Automobiles	0.0	0.0	0.0	0.0	D	D	0.0	X
336112	Light Trucks and Utility Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	X
3364	Aerospace Product and Parts	10.5	12.6	32.7	13.3	28.7	11.8	9.6	82.4
336411	Aircraft	18.3	25.2	45.0	26.3	D	D	D	X
337	Furniture and Related Products	5.1	28.0	18.9	31.9	41.2	96.0	X	X
339	Miscellaneous	5.2	17.7	18.3	18.9	55.0	96.8	68.8	X
	Total	1.3	1.6	2.6	2.0	3.8	7.5	3.8	17.8

(a) The Bureau of the Census classifies establishments using the 2017 North American Industry Classification System (NAICS).

(b) The *Participation* column includes those units which reported any of the four listed percentages of job responsibilities dedicated to energy management at any time in 2018, plus those units where the percentage of job responsibilities dedicated to energy management was not ascertained.

* Estimate less than 0.5.

D=Withheld to avoid disclosing data for individual establishments.

Q=Withheld because Relative Standard Error is greater than 50 percent.

X=Not defined because RSE corresponds to a data table value of zero.

NA=Not available.

-- Estimation is not applicable.

Notes: Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-846, 2018 Manufacturing Energy Consumption Survey.

The Census Bureau has reviewed this data product for unauthorized disclosure of confidential information and has approved the disclosure avoidance practices applied (Approval ID: CBDRB-FY20-260).